

SolidWorks Toolbox Basics

Autodesk Vault offers a simple method to manage toolbox components as part of a library once inserted and used in your SolidWorks models, similar to Inventor Content Center Files.

Set the Toolbox source location

The default location for the SolidWorks toolbox files in C:\Solidworks Data\ and for single users this default location should suffice, in a larger workgroup this location can be updated to a network share for multiple users who want to use the same source data. This portion of the Toolbox configuration is configurable and not managed as part of your Autodesk Vault implementation.

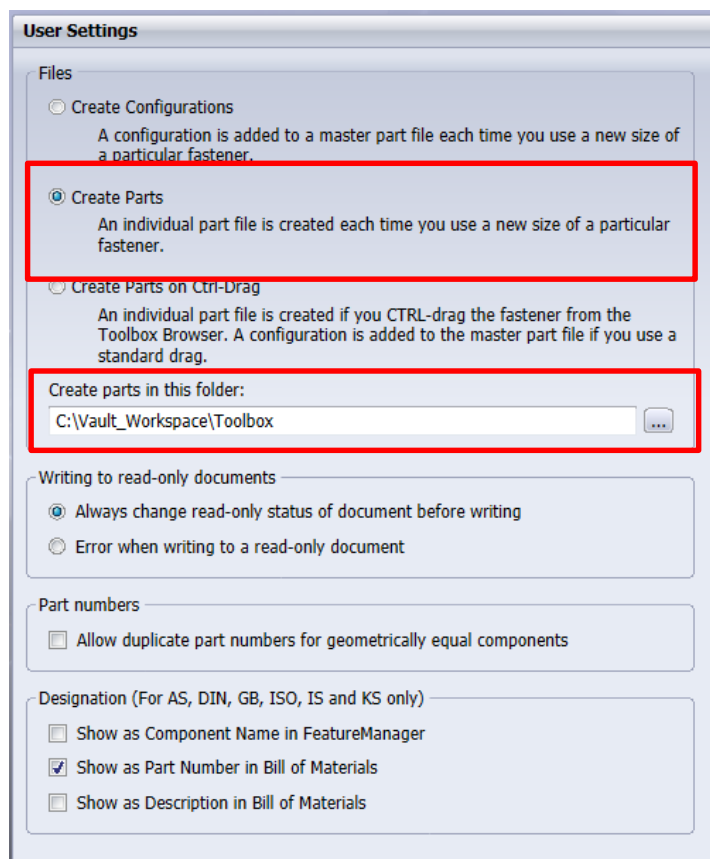
[See SolidWorks help for more detail on configuring the toolbox source](#)

Set the Toolbox save location

In order to manage toolbox components as part of a library, the toolbox file save location needs to be set to correspond with the vault working folder location and a specific library location.

From the SolidWorks System Settings browse to the Hole Wizard / Toolbox options (where we can set the source directory), select to configure and navigate to the User Settings dialog.

In the file section set the Toolbox to “Create Parts” and enter a local machine location for the toolbox content aligned with your local workspace “C:\Vault_Workspace\Toolbox” where “C:\Vault_Workspace” is your mapped working folder.

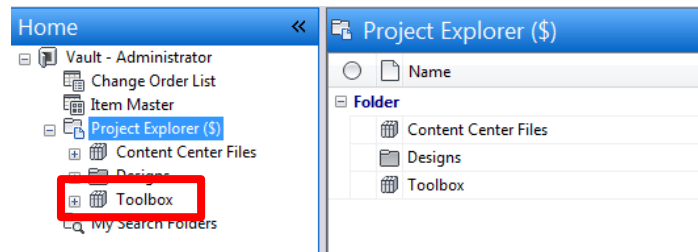


Create Parts

In order for Vault to track where used behavior for individual files it is suggested to configure Toolbox to “Create Parts” on insert. Create Configuration means users will only be able to see where the configuration file is used, not the individual instances (Bolt size for example). See “SolidWorks Integration Configuration File Management” for more detail on this.

Create Parts in Folder

To ensure a consistent user experience and reduce duplication all users should configure SolidWorks to store their inserted Toolbox files in a standard Vault location. The best approach here is to create a toolbox library in the root folder similar to the following:



This root folder “\$” is mapped to the users local working directory creating a local file location “C:\Vault_Workspace\Toolbox” where all toolbox files are saved on create and downloaded from Vault as required.

Once a toolbox file is inserted into an assembly, we can simply save and add file – you will see that the new toolbox file is automatically added to the toolbox library folder:

